

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier version and listings.

Claims 1. - 86. (canceled).

87. (previously presented): A computer program product having a computer readable medium storing a printer driver program for performing processing of image data to be transmitted to a printer, said program comprising:

a database including plural process tables and a mode table which specifies a first process table and a second process table, the first process table and the second process table both corresponding to a print mode; and

a program module for searching the mode table to find first and second process tables corresponding to a designated print mode, loading the found first process table and the second process table corresponding to the designated printing mode from said database, and performing a first process and a second process using the loaded first and second process tables, respectively.

88. (previously presented): The computer product according to claim 87, wherein said plural process tables include color correction tables and said program module loads a color correction table corresponding to the designated printing mode from said database and performs color correction processing using the loaded color correction table.

89. (previously presented): The computer product according to claim 87, wherein said plural process tables include color conversion tables and said program module loads a color conversion table corresponding to the designated printing mode from said database and performs color conversion processing using the loaded color conversion table.

90. (previously presented): The computer product according to claim 87, wherein said plural process tables include grayscale correction tables and said program module loads a grayscale correction table corresponding to the designated printing mode from said database and performs grayscale correction processing using the loaded grayscale correction table.

91. (previously presented): The computer product according to claim 87, wherein said plural process tables include dither matrix tables and said program module loads a dither matrix table corresponding to the designated printing mode from said database and performs dither processing using the loaded dither matrix table.

92. (previously presented): The computer product according to claim 87, wherein said plural process tables include margin tables and said program module loads a margin table corresponding to the designated printing mode from said database and performs margin processing using the loaded margin table.

93. (previously presented): A data processing method for a printer driver which performs processing of image data to be transmitted to a printer and comprises a

database including plural process tables, a mode table which specifies a first process table and a second process table corresponding to a print mode and a program module, said method comprising:

a loading step of searching the mode table to find first and second process tables, the first process table and the second process table both corresponding to a designated print mode, and loading the found first process table and a second process table corresponding to the designated condition from said database; and

a performing step of performing a first process and a second process using the loaded first and the second process tables, respectively.

94. (previously presented): The data processing method according to claim 93, wherein the plural process tables include color correction tables, said loading step includes loading a color correction table corresponding to the designated printing mode from the database and said performing step includes performing color correction processing using the loaded color correction table.

95. (previously presented): The data processing method according to claim 93, wherein the plural process tables include color conversion tables, said loading step includes loading a color conversion table corresponding to the designated printing mode from the database and said performing step includes performing color conversion processing using the loaded color conversion table.

96. (previously presented): The data processing method according to claim 93, wherein the plural process tables include grayscale correction tables, said loading step includes loading a grayscale correction table corresponding to the designated a printing mode from the database and said performing step includes performing grayscale correction processing using the loaded grayscale correction table.

97. (previously presented): The data processing method according to claim 93, wherein the plural process tables include dither matrix tables, said loading step includes loading a dither matrix table corresponding to the designated printing mode from the database and said performing step includes performing dither processing using the loaded dither matrix table.

98. (previously presented): The data processing method according to claim 93, wherein the plural process tables include a margin table, said loading step includes loading a margin table corresponding to the designated printing mode from the database and said performing step includes performing margin processing using the loaded margin table.

99. (previously presented): A computer having a printer driver which performs processing of image data to be transmitted to a printer, said computer comprising:  
a database including plural process tables and a mode table which specifies a first process table and a second process table, the first process table and the second process table both corresponding to a print mode; and

a program module for searching the mode table to find first and second process tables corresponding to a designated print mode, and loading the first and second process tables corresponding to the designated printing mode from said database, and performing a first process and a second process using the loaded first and second process tables, respectively.

100. (previously presented): The computer according to claim 99, wherein said plural process tables include color correction tables and said program module loads a color correction table corresponding to the designated printing mode from said database and performs color correction processing using the loaded color correction table.

101. (previously presented): The computer according to claim 99, wherein said plural process tables include color conversion tables and said program module loads a color conversion table corresponding to the designated printing mode from said database and performs color conversion processing using the loaded color conversion table.

102. (previously presented): The computer according to claim 99, wherein said plural process tables include grayscale correction tables and said program module loads a grayscale correction table corresponding to the designated printing mode from said database and performs grayscale correction processing using the loaded grayscale correction table.

103. (previously presented): The computer according to claim 99, wherein said plural process tables include dither matrix tables and said program module loads a dither matrix table corresponding to the designated printing mode from said database and performs dither processing using the loaded dither matrix table.

104. (previously presented): The computer according to claim 99, wherein said plural process tables include margin tables and said program module loads a margin table corresponding to the designated printing mode from said database and performs margin processing using the loaded margin table.

105. (previously presented): The computer product according to Claim 87, wherein the printing mode is determined by plural conditions including paper type, quantization method and print quality, and the plural process tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

106. (previously presented): The data processing method according to Claim 93, wherein the printing mode is determined by plural conditions including paper type, quantization method and print quality, and the plural process tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

107. (previously presented): The computer according to Claim 99, wherein the printing mode is determined by plural conditions including paper type, quantization method and print quality, and the plural process tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

108. (new): An image processing method for use in an image processing apparatus having a database containing a search table that includes a plurality of first actual tables, a plurality of second actual tables and IDs for specifying a first table and a second table corresponding to a mode, the plurality of first and second actual tables being independent from a processing module that performs a process for image data to be printed, said method comprising the steps of:

searching an ID of a first table and an ID of a second table corresponding to a mode from the database;

loading the found IDs;

loading a first table and a second table corresponding to loaded IDs from the database; and

performing a first process and a second process for an image data to be printed using the first table and the second table loaded.

109. (new): An information processing method performed in an information processing apparatus having a printer driver generating a print image to be printed by a printer, the printer driver having a database containing (i) a plurality of look-

up tables including a color correction look-up table and a color conversion look-up table independent from a processing module that performs a process for a print image to be printed by the printer and (ii) a search look-up table for searching a look-up table required corresponding to a print mode, said method comprising the steps of:

searching table IDs of look-up tables required corresponding to the print mode using the search look-up table contained in the database;

loading the found IDs;

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a color correction using the loaded look-up tables; and

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a color conversion using the loaded look-up tables.

110. (new): An information processing method performed in an information processing apparatus having a printer driver generating a print image to be printed by a printer, the printer driver having a database containing (i) a plurality of look-up tables including a gray-scale correction look-up table and a quantization look-up table independent from a processing module that performs a process for a print image to be printed by the printer and (ii) a search look-up table for searching a look-up table required corresponding to a print mode, said method comprising the steps of:

searching table IDs of look-up tables required corresponding to the print mode using the search look-up table contained in the database;

loading the found IDs;

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a gray-scale correction using the loaded look-up tables; and

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a quantization using the loaded look-up tables.